

BHUVANESWAR REDDY MARREDDY

Full Stack .NET Application Developer

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PROFESSIONAL SUMMARY

Full Stack .NET Developer with 4+ years of experience delivering enterprise web applications and APIs using C#, ASP.NET Core (.NET 6-9), REST, and SQL/NoSQL data stores. Hands-on Azure experience with Container Apps/App Service deployments, Azure DevOps (Git + YAML pipelines), Application Insights (logging, health checks, dashboards/alerts), Azure AI Search, Azure Data Factory, and Azure Service Bus with worker services for asynchronous processing. Strong UI skills with React and Angular, plus secure authentication/authorization using Azure AD (Entra ID), OAuth2/OIDC, and JWT. Known for proactive bug triage, production incident support, and thorough peer code reviews focused on clean, maintainable code.

CORE SKILLS

Backend: C#, .NET Core / ASP.NET Core (.NET 6-9), Web API, REST, EF Core / Dapper, ADO.NET, LINQ

Frontend: Blazor (Server/WASM), Razor Pages, React.js, Angular (9/10/12), TypeScript, JavaScript, HTML5, CSS/SCSS, RxJS.

Data: SQL Server, Cosmos DB, MongoDB, MySQL, Azure AI Search

Cloud & DevOps: Azure (App Service, Container Apps, Application Insights, Azure AI Search, Azure Data Factory, Service Bus), Azure DevOps (Git, YAML CI/CD, release pipelines), Docker, GCP, AWS (EC2/S3 - exposure), Git/GitLab

Security: Azure AD (Entra ID) SSO, OAuth 2.0 / OIDC, JWT, role-based access, secure credential handling

Messaging & Jobs: Azure Service Bus, .NET Worker Services, background/scheduled jobs

Tools & Practices: SSMS, Swagger/OpenAPI, Postman, Jira, Agile/Scrum, code reviews, production support

PROFESSIONAL EXPERIENCE

The Canton Group — .NET Developer

Feb 2024 - Present

Project: Election Management Platform

- Develop and enhance a large-scale election management platform using C#, ASP.NET Core (.NET 6-9), REST APIs, and SQL Server in an Agile/Scrum environment.
- Design, build, and maintain API endpoints and integrations; enforce consistent request/response contracts, validation, and versioning across services.
- Built reusable UI components using Blazor/Razor Pages with a component-driven approach and clean state/data flow.
- Deploy and support services using Docker with Azure App Service and Azure Container Apps; manage environment configurations and rollouts through Azure DevOps.
- Build CI/CD using Azure DevOps Git repositories and YAML pipelines to automate builds, tests, and releases across environments.
- Built a centralized error-handling and logging strategy by configuring the ASP.NET Core pipeline (exception middleware, request tracing, and auth enforcement).
- Implement observability and reliability with Application Insights: structured logging, dependency monitoring, performance tracing, and application health checks.

- Deliver sub-second search experiences by implementing and tuning Azure AI Search indexing and query patterns for ~13M records, including filtering and wildcard scenarios.
- Support data movement and migration workflows using Azure Data Factory pipelines for controlled loads and transformations.
- Implement asynchronous workflows using Azure Service Bus with .NET Worker Services to process messages, handle long-running tasks, and run scheduled/background operations.
- Work with NoSQL data stores including Cosmos DB and MongoDB where applicable; design data models and query patterns to support performance and scale.
- Contribute to a reusable, component-based architecture using shared .NET class libraries (DTOs/models and repository layer) consumed across UI, API, and worker services.
- Troubleshoot production issues by tracing requests across UI, API, and data layers; deliver stable fixes with regression awareness and performance tuning.
- Perform peer reviews for pull requests, provide actionable feedback, and help enforce coding standards, architecture consistency, and reliable release quality.
- Act as a go-to engineer for critical bug investigations and escalations; proactively pick up high-impact defects and drive them to resolution with clear communication to the team.
- Implement and validate secure authentication/authorization flows (Azure AD/Entra ID SSO, OAuth2/OIDC, JWT) and test API contracts using Swagger/OpenAPI and Postman.
- Follow secure coding practices and ensure backward-compatible schema/API changes to support existing consumers and legacy behaviors.

Tech Stack: C#, ASP.NET Core (.NET 6-9), Web API, SQL Server, Cosmos DB, MongoDB, Azure AI Search, Azure Data Factory, Azure Service Bus, Application Insights, Docker, Azure App Service/Container Apps, Azure DevOps (YAML pipelines), Git, Jira, Postman

Dsilo — Full Stack Developer (Contract / Project-Based)

Jan 2023 - Feb 2024

Project: ProcureGPT (AI Chatbot / Procurement Assistant Prototype)

- Built an AI chatbot prototype by integrating a React.js conversational UI with ASP.NET Core Web APIs, supporting chat sessions, streaming-style responses, and workflow-based interactions.
- Implemented backend endpoints for prompt handling, tool/function routing, and LLM service integration; shaped response contracts to keep the UI fast and predictable.
- Applied LangChain-style patterns (prompt templates, chains/agents, retrieval-augmented workflows) to ground responses in knowledge sources and reduce hallucinations.
- Delivered end-to-end execution on GCP, including deployments, configuration management, integration testing, and release readiness for stakeholder demos.
- Accelerated onboarding and team velocity by simplifying complex flows, improving code structure, and documenting key integration points and runbooks.
- Built a multi-tenant application experience with secure session handling, route guards, and role-based access using OAuth2/OIDC and JWT token patterns.

- Implemented complex React state management and reusable UI components (hooks/context patterns), focusing on performance, maintainability, and consistent CSS/SCSS styling.
- Containerized services and supported environment-specific deployments on GCP, including configuration management and integration testing for stable demos and handoff.
- Iterated on prompt and retrieval behavior through evaluation and tuning (without model training) to improve response grounding and reliability for procurement workflows.

Tech Stack: C#, ASP.NET Core Web API, React.js, TypeScript, REST, OAuth2/OIDC, JWT, LLM integrations, LangChain-style concepts, Docker, GCP, Git

Infosys Private Limited — .NET Developer **Oct 2021 - Dec 2022**

Project: InfyMe (Internal Employee Services Portal)

- Developed and maintained internal enterprise modules using C#, ASP.NET Core, and REST APIs to support employee self-service workflows in a centralized portal.
- Built UI features using Angular and TypeScript and integrated API data to improve usability across screens.
- Implemented and consumed RESTful services with structured JSON contracts; handled validation, error handling, and UI-state management consistently across layers.
- Worked with SQL Server for queries and data fixes; ensured backward-compatible schema changes and stable releases.
- Participated in Agile ceremonies, sprint planning, and code reviews; collaborated with QA and product teams to deliver production-ready features and support releases.
- Supported defect triage and production fixes by analyzing logs, reproducing issues, and delivering clean patches with regression awareness.
- Performed peer code reviews and collaborated with cross-functional teams to improve code quality, API consistency, and sprint delivery.
- Validated APIs using Swagger/OpenAPI and Postman, and contributed to secure access patterns (JWT-based authorization and basic encryption practices where required).
- Assisted with CI/CD and release activities through Azure DevOps, ensuring stable deployments and smooth handoffs to QA and support teams.

Tech Stack: C#, ASP.NET Core, Web API, Angular, TypeScript, SQL Server, Azure DevOps/Git, Postman, Jira

EDUCATION

Master of Science (M.S.), Computer Science — University of Central Missouri, USA — 2024